

D-LaF050		768492		$n_d = 1.76802$		$v_d = 49.24$		$n_F - n_C = 0.015597$			
				$n_e = 1.77173$		$v_e = 49.00$		$n_{F'} - n_{C'} = 0.015749$			
Refractive Indices				Relative Partial Dispersion		Chemical Properties (grade)		Internal Transmittance			
	λ (nm)	n_λ		$P_{d,C}$	0.3020	RC (S)	1	λ (nm)	τ_{5mm}	τ_{10mm}	
n_{2325}	2325.42	1.72707		$P_{e,d}$	0.2379	RA (S)	3	2400	0.820	0.672	
n_{1970}	1970.09	1.73403		$P_{g,F}$	0.5527	D_W	1	2200	0.952	0.906	
n_{1530}	1529.58	1.74170		$P'_{d,c'}$	0.2514	D_A	3	2000	0.978	0.956	
n_{1129}	1128.64	1.74866		$P'_{e,d}$	0.2356	R_{OH} (S)	1	1800	0.989	0.978	
n_{1064}	1064.00	1.74994		$P'_{g,F'}$	0.4908	RP (S)	2	1600	0.999	0.998	
n_t	1013.98	1.75101		Deviation of Relative Partial Dispersions		Expansion Coefficient α ($\times 10^{-7}/K$)		1400	0.999	0.998	
n_s	852.11	1.75515						$\Delta P_{F,e}$	-0.0027	$^\circ C$	α
$n_{A'}$	768.19	1.75802		$\Delta P_{g,F}$	-0.0091	-50/-40	58	1060	0.999	0.998	
n_r	706.52	1.76066		$\Delta P_{C,t}$	0.0099	-40/-30	59	1000	0.999	0.998	
n_C	656.27	1.76331		$\Delta P_{C,s}$	0.0046	-30/-20	60	950	0.999	0.998	
$n_{C'}$	643.85	1.76406		Thermal Properties		-20/-10	61	900	0.999	0.998	
n_{He-Ne}	632.80	1.76475				Tg ($^\circ C$)	615	-10/0	62	850	0.999
n_D	589.29	1.76787		Ts ($^\circ C$)	640	0/10	62	800	0.999	0.998	
n_d	587.56	1.76802		$T_{10}^{14.5}$ ($^\circ C$)	512	10/20	62	750	0.999	0.998	
n_e	546.07	1.77173		T_{10}^{13} ($^\circ C$)	549	20/30	63	700	0.999	0.998	
n_F	486.13	1.77891		$\alpha_{.50/80^\circ C}$ ($10^{-7}/K$)	62	30/40	63	650	0.999	0.998	
$n_{F'}$	479.99	1.77980		$\alpha_{100/300^\circ C}$ ($10^{-7}/K$)	75	40/50	63	600	0.999	0.998	
n_g	435.84	1.78753		λ (W/(m·K))	0.79	50/60	64	550	0.999	0.998	
n_h	404.66	1.79475		β_d	147	60/70	64	500	0.999	0.998	
n_i	365.01	1.80718		Mechanical Properties		70/80	65	480	0.998	0.996	
						HK ($10^7 Pa$)	578	80/90	66	460	0.997
Constants of Dispersion Formula						E (GPa)	112.7	440	0.996	0.992	
A_0	3.05764396E+00					G (GPa)	43.1	420	0.994	0.989	
A_1	-1.46517743E-02					μ	0.306	400	0.992	0.984	
A_2	2.34463123E-02					σ_b (MPa)	92	390	0.989	0.978	
A_3	7.01742420E-04					B ($10^{-12}/Pa$)	1.81	380	0.984	0.968	
A_4	-2.73402326E-05					Coloration Code					
A_5	1.97166425E-06										$\lambda_{80}(\lambda_{70})/\lambda_5$
Density		4.56		Solarization		$\Delta\lambda$ (%)		-2.8		Coloration of Internal Transmittance	
										$\lambda\tau_{80}/\lambda\tau_5$	
										340/277	
										Constants of dn/dt	
										D_0	
										D_1	
										D_2	
										1.61E-06	
										1.06E-08	
										-2.28E-11	
										E_0	
										E_1	
										λ_{TK}	
										7.75E-07	
										1.44E-09	
										3.04E-08	
Range of Temperature ($^\circ C$)		Temperature Coefficients of Refractive Index									
		dn/dt relative ($\times 10^{-6} / ^\circ C$)									
		t	s	C	C'	He-Ne	d	e	F	F'	g
-60~-40		2.9	3.2	3.3	3.4	3.5	3.7	4.0	4.3	4.3	4.5
-40~-20		3.0	3.2	3.3	3.4	3.5	3.8	4.1	4.4	4.4	4.8
-20~0		3.0	3.2	3.4	3.5	3.6	3.9	4.3	4.5	4.6	4.8
0~20		3.0	3.3	3.5	3.6	3.7	4.1	4.4	4.6	4.7	4.9
20~40		3.0	3.3	3.5	3.7	3.8	4.2	4.5	4.7	4.8	5.1
40~60		3.1	3.4	3.6	3.8	4.0	4.3	4.7	4.9	5.0	5.3
60~80		3.2	3.6	3.7	3.8	4.0	4.4	4.8	5.2	5.2	5.6
80~100		3.2	3.7	3.8	3.9	4.1	4.6	4.9	5.4	5.4	5.8
100~120		3.2	3.8	3.9	4.0	4.2	4.7	5.1	5.6	5.6	6.0
120~140		3.2	3.9	4.0	4.0	4.3	4.8	5.3	5.7	5.7	6.2
140~160		3.2	4.0	4.1	4.1	4.5	4.9	5.4	5.8	5.8	6.4